



TANKS FOR LIQUID CALCIUM CHLORIDE MGS-93-02A

1.0 DESCRIPTION. These specifications cover the requirements for plastic storage tanks for liquid calcium chloride.

2.0 MATERIALS.

2.1 The tank shall be a standard 1.5 specific gravity, seamless, vertical cylindrical, flat bottomed, dome topped with a minimum 18 inch manway and a 2 inch PVC U-type vent pipe installed.

2.2 Volume of the tank shall be approximately 10,500 gallons.

2.3 Approximate dimensions of the tank shall be 9 to 15 feet high and 10 to 12 feet in diameter.

2.4 Color shall be translucent gold, green or white.

2.5 The tank shall have one 3 inch diameter PVC outlet with bulkhead fittings and siphon tube installed. The outlet shall have a nipple with male threads installed. The outlet shall be located approximately 7 to 9 inches from the bottom of the tank.

2.6 All gaskets shall be EPDM or Viton. Neoprene will not be allowed.

2.7 Molding powder used to manufacture the tank shall be cross-linked high-density polyethylene, Marlex CL 250 or CL 200, containing 0.25 to 0.50 percent UV stabilizer. The molding powder shall not contain any fillers.

2.8 The sidewall of the tank shall be marked in a durable, weather resistant manner in 500-gallon increments. As a minimum, each 1,000 gallon mark shall be labeled with the gallonage (1000, 2000, etc.)

2.9 The finished surface of the tank shall be as free as commercially practical from visual defects such as foreign inclusions, air bubbles, pin holes, and craters. All cut edges shall be trimmed to have smooth edges. The tanks shall exhibit good workmanship in all respects.

3.0 BIDDER REQUIREMENTS. The bidder shall furnish, with the bid, the tank manufacturer's name, descriptive literature containing specifications which the tanks are manufactured to, and catalog number if applicable.

4.0 CERTIFICATION. The supplier shall furnish to the Director of General Services, Missouri Department of Transportation, P.O. Box 270, Jefferson City, Missouri 65102, at the time of delivery, a certification stating that the tanks comply with the requirements of these specifications. The certification shall include the name of the molding powder used in the manufacture of the tanks furnished.